

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	@pd<"20030910" and (separator or bipolar plate) and (multiple near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:14
L2	9	("2811572"   "2902530"   "3520729"   "3880672"). PN. OR ("4041219"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:26
L3	211	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:29
L4	209	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film)) not I1	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:29
L5	48	@pd<"20030910" and (separator or bipolar plate) and ((first or second or third) near3 resin near3 (layer or film)) not I1 and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:30
L6	14	@pd<"20030910" and (separator or bipolar plate) same ((first or second or third) near3 resin near3 (layer or film)) not I1 and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:34
L7	1	("2001/0005560").URPN.	USPAT	ADJ	ON	2009/08/02 18:35
L8	1324	@pd<"20030910" and (separator or bipolar plate).ti. and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:44
L9	9	@pd<"20030910" and ((separator or bipolar plate) with layers).ti. and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 18:45

L10	2223	@pd<"20030910" and (separator or bipolar plate) same (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) same ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:13
L11	659	@pd<"20030910" and (separator or bipolar plate) with (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) with ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:13
L12	14	@pd<"20030910" and (separator or bipolar plate) with (metal substrate or stainless steel or titanium or steel or aluminum or copper or nickel) with ((plated or layer or film) with (nickel or tin or copper or titanium or gold or platinum or silver or palladium or ni or sn or cu or ti or au or pt or ag or pd)) with (rough\$4 or etch \$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:14
L13	200	@pd<"20030910" and (separator or bipolar plate) with (conductive filler or carbon fiber or carbon black or carbon) with resin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:47

L14	47	@pd<"20030910" and ((separator or bipolar plate) with (conductive filler or carbon fiber or carbon black or carbon) with resin) same (by volume or wt or weight)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 20:48
L15	1	@pd<"20030910" and (separator or bipolar plate) with (carbon fiber with diameter with length)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:04
L16	525	@pd<"20030910" and (separator or bipolar plate) with (carbon black)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:12
L17	25	@pd<"20030910" and ((separator or bipolar plate) with (carbon black) with conductive) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:12
L18	1352	@pd<"20030910" and ((separator or bipolar plate) near3 (thickness)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:20
L19	17	@pd<"20030910" and ((separator or bipolar plate) near3 (thickness) near3 micrometer) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:21
L20	72	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick\$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:23
L21	25	@pd<"20030910" and ((bipolar plate or separator) with (resin near3 thick\$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:24
L22	1	("20030129471").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/02 22:25
L23	1	l22 and thick\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 22:26
L24	0	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick\$4 with optimiz \$4)) and 429/1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 23:11

L25	6	@pd<"20030910" and ((bipolar plate or separator) same (resin near3 thick\$4) same (optimiz\$7 or improve\$4)) and 429/ 1-255.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/02 23:12
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